

# Yasunori Sawaki, Ph.D.

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TITLE: Dr.

LAST NAME: Sawaki

FIRST NAME: Yasunori

NATIONALITY: Japanese

INSTITUTION: National Institute of Advanced Industrial Science and Technology (AIST), Japan

DEPARTMENT: Geological Survey of Japan

POSITION: Postdoctoral Researcher

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## Education

- 2023 **Ph.D. (Science)**, Graduate School of Science, Kyoto University, Japan  
*Dissertation title:* "Heterogeneous seismic structure in onshore and offshore areas of the Nankai subduction zone with receiver-side responses to regional deep-focus and teleseismic earthquakes"  
*Supervisor:* Yoshihiro Ito, Disaster Prevention Research Institute, Kyoto University, Japan
- 2020 **MSc**, Graduate School of Science, Kyoto University, Japan
- 2018 **BSc**, Faculty of Science, Tohoku University, Japan

## Employment

- Apr. 2023–  
Present **Postdoctoral Researcher**  
Geological Survey of Japan, AIST, Tsukuba, Japan

## Areas of Specialization

Geophysics; Seismology

## Professional Memberships

Japan Geoscience Union  
Seismological Society of Japan

## Honors & Awards

- 2022 Outstanding Student Presentation Award, Seismological Society of Japan

## Grants

Aug. 2023–  
Mar. 2025 Principal Investigator:  
**Grant-in-Aid for Research Activity start-up, KAKENHI**, Japan Society for the Promotion Science (JSPS), 2,100k JPY

## Publications & Talks

### PEER-REVIEWED JOURNAL ARTICLES

- 2023 Ruan, Yihuan, Yoshihiro Ito, and **Yasunori Sawaki**, (2023). Anisotropic Velocity Structure Beneath Shikoku, Japan: Insights From Receiver Function and Shear Wave Splitting Analyses. *Journal of Geophysical Research: Solid Earth*, 128, e2023JB027178. doi: [10.1029/2023JB027178](https://doi.org/10.1029/2023JB027178)
- 2023 **Sawaki, Yasunori**, Yusuke Yamashita, Shukei Ohyanagi, Emmanuel Soliman M. Garcia, Aki Ito, Hiroko Sugioka, Tsutomu Takahashi, Masanao Shinohara, and Yoshihiro Ito, (2023). Seafloor depth controls seismograph orientation uncertainty. *Geophysical Journal International*, 232(2), 1376–1392, doi: [10.1093/gji/ggac397](https://doi.org/10.1093/gji/ggac397)
- 2023 Akuhara, Takeshi, Yusuke Yamashita, Shukei Ohyanagi, **Yasunori Sawaki**, Tomoaki Yamada, and Masanao Shinohara, (2023). Shallow low-velocity layer in the Hyuga-nada accretionary prism and its hydrological implications: Insights from a passive seismic array. *Journal of Geophysical Research: Solid Earth*, 128, e2022JB026298. doi: [10.1029/2022JB026298](https://doi.org/10.1029/2022JB026298)
- 2021 **Sawaki, Yasunori**, Yoshihiro Ito, Kazuaki Ohta, Takuo Shibutani, and Tomotaka Iwata, (2021). Seismological structures on bimodal distribution of deep tectonic tremor. *Geophysical Research Letters*, 48, e2020GL092183. doi: [10.1029/2020GL092183](https://doi.org/10.1029/2020GL092183)

### INVITED TALKS

- 2023 **Sawaki, Yasunori**, Yusuke Yamashita, Shukei Ohyanagi, Emmanuel Soliman M. Garcia, Aki Ito, Hiroko Sugioka, Tsutomu Takahashi, Masanao Shinohara, and Yoshihiro Ito, (2023). Heterogeneous seismic structure at Hyuga-nada from receiver-side Green's functions. *Japan Geoscience Union Meeting 2023*, SSS04-01, Chiba, Japan, May 2023

## Teaching Experience

- 2021 **Teaching Assistant**, "Experiments on Earth Science",  
Institute for Liberal Arts and Sciences, Kyoto University